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Overview

June 2014 was an active weather month with above normal temperatures and precipitation.

Average monthly temperatures across Southwest Lower Michigan were in the 65 to 70 degree range (Fig. 1) and ended up one to two degrees above normal (Fig. 2). There were 3 cool downs during June, as spring slowly gave way to summer. The first and second caused temperatures to fall more than did the third. In general, the warm temperatures through the remainder of the month more than balanced out the last hurrahs of spring. The Grand Rapids climate site was the only one to make it into the top ten charts for temperature values. The observed average minimum temperature of 60.7 degrees ties with 1923 for the 7th warmest on record.

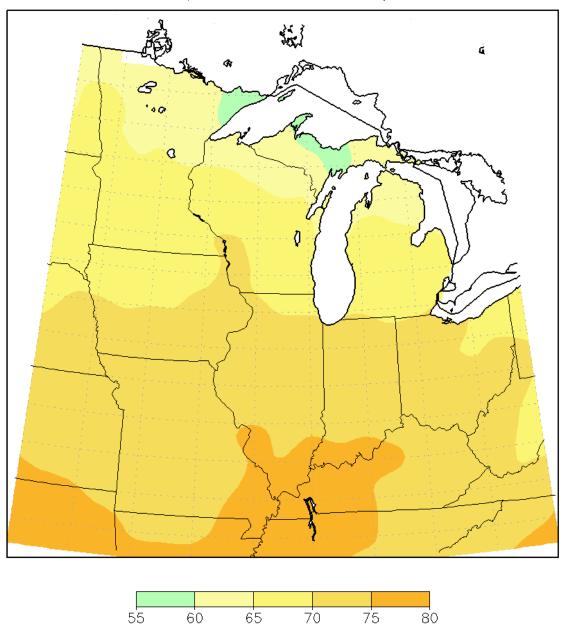
More than half of the days in June 2014 had measurable precipitation, as many weather systems moved across the continent and over the Great Lakes region. Totals for June varied from around 3 inches across Central Lower Michigan to over 7 inches in the far Southwest (Fig. 3). The values were 200 percent of normal in the far Southwest to near normal elsewhere (Fig. 4). The total precipitation for June in Muskegon (7.02 inches, Table 1) was the only top 10 appearance for the month for the primary climate sites. This was 1.03 inches below second place from 1905 and 1.16 inches below the record for June of 8.18 from 1921.

The active weather also brought strong to severe hail, wind and rain storms to the region on 9 days out of the month. Damaging winds and flooding were the main hazards. Hail with diameters over an inch were limited mainly to the 18th and 25th.

Table 1. Reported temperature, precipitation, and snowfall amounts for June 2014 at the primary climate stations in Southwest Lower Michigan and departures from normal.

Location		Average Temperature (°F)	Precipitation (inches)	Snowfall (inches)
Grand Rapids	Observed	70.2	5.15	0.0
	Departure from Normal	1.8	1.38	0.0
	Normal	68.4	3.77	0.0
Lansing	Observed	68.8	6.40	0.0
	Departure from Normal	1.2	2.95	0.0
	Normal	67.6	3.45	0.0
Muskegon	Observed	68.1	7.02	0.0
	Departure from Normal	1.8	4.47	0.0
	Normal	66.3	2.55	0.0

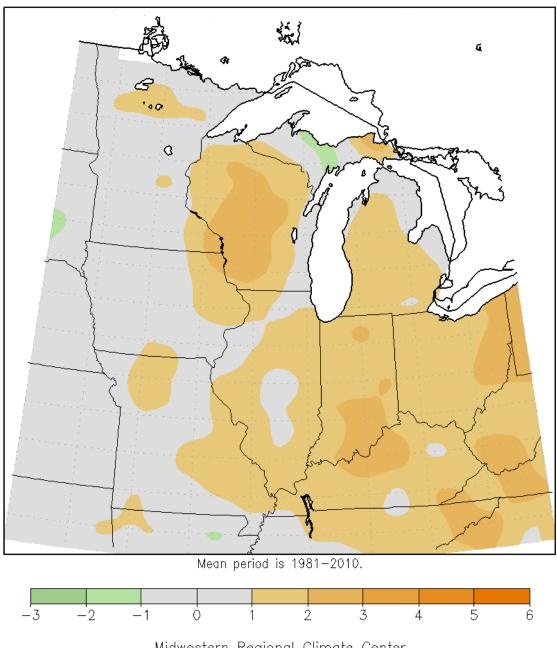
Average Temperature (°F) June 1, 2014 to June 30, 2014



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Figure 1. Average temperature (°F) for June 2014.

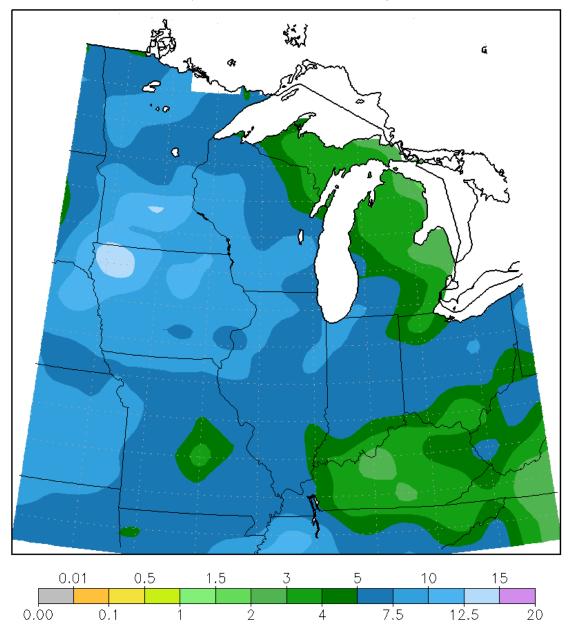
Average Temperature (°F): Departure from Mean June 1, 2014 to June 30, 2014



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Figure 2. Average temperature departure from normal (°F) for June 2014.

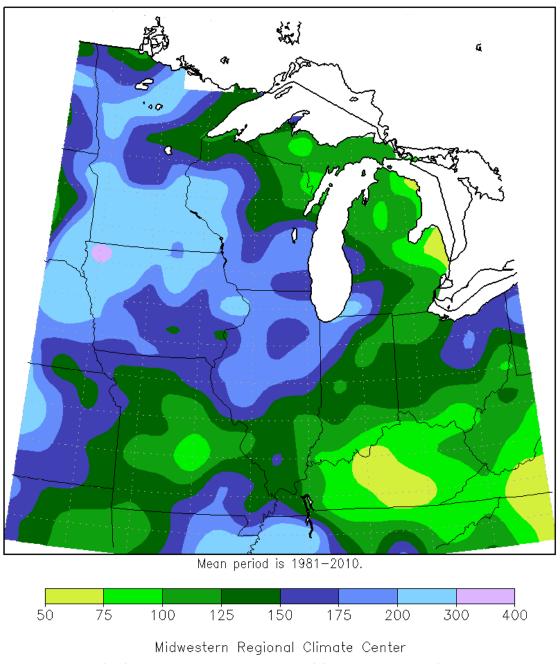
Accumulated Precipitation (in) June 1, 2014 to June 30, 2014



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Figure 3. Total precipitation (in inches) for June 2014.

Accumulated Precipitation: Percent of Mean June 1, 2014 to June 30, 2014



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Figure 4. Precipitation percentage of mean (in inches) for June 2014.